

05-23-05

JC10 Rec'd PCT/PTO 19 MAY 2005 AF

LFJ

PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

<b>Effective on 12/08/2004.</b> Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		<b>Complete if Known</b>	
<b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		Application Number	09/719277-Conf. #7039
		Filing Date	April 13, 2001
		First Named Inventor	Andrea D. BRANCH
		Examiner Name	T. Brown
		Art Unit	1648
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	R11-003CPUS
<b>TOTAL AMOUNT OF PAYMENT</b>		<b>(\$)</b>	<b>405.00</b>

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 12-0080 Deposit Account Name: Lahive & Cockfield, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0			0	

RECEIVED  
OIPE/IAP

JUN 17 2005

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

	Small Entity Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)	25	50
Each independent claim over 3 (including Reissues)	100	200
Multiple dependent claims	180	360

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
34	- 55 = 0	x	

<b>Multiple Dependent Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
2	- 7 = 0	x	

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
	- 100 =	/50	(round up to a whole number) x	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 2252 Extension for response within second month

1806 Submission of an Information Disclosure Statement

**Fees Paid (\$)**

225.00

180.00

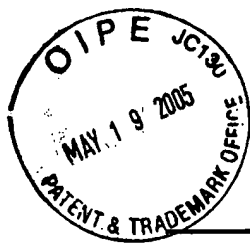
<b>SUBMITTED BY</b>			
Signature		Registration No. (Attorney/Agent)	43,270
Name (Print/Type)	Megan E. Williams	Telephone	(617) 227-7400
		Date	May 19, 2005

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 553863125 US, in an envelope addressed to: MS AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: May 19, 2005

Signature:

(Megan E. Williams)



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of: Andrea D. Branch, *et al.*

Serial No.: 09/719,277  
(US National stage of PCT/US99/12929)

I.A. Filing Date: June 9, 1999  
Filing Date: April 13, 2001

For: *Novel Hepatitis C Virus Peptides and Uses Thereof*

Attorney Docket No.: RII-003CPUS

Group Art Unit: 1648

Examiner: T. Brown

MS AF  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 553863125 US, in an envelope addressed to: MS AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.  
Dated: May 19, 2005

Signature: *Megan E. Williams* (Megan E. Williams)

**STATEMENT OF THE SUBSTANCE OF THE**  
**MAY 9, 2005 INTERVIEW**

Dear Sir:

Applicants thank the Examiner for the courtesy of a personal interview that took place on 9 May, 2005 between Applicants' Attorneys, Giulio DeConti and Megan Williams; and Examiners T. Brown and U. Winkler and Supervisory Examiner J. Housel.

In the interview the procedural history of the application was reviewed briefly.

Proposed amendments to the claims were also discussed. Applicants' attorneys presented evidence (including BLAST searches submitted with one of the priority applications) that claims to detecting polypeptides comprising alternate reading frame amino acid sequences from the core region of any HCV isolate were adequately described in the application.

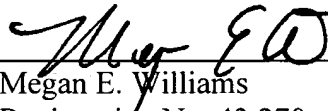
In the interview the art cited in the Office Action dated January 14, 2005, Feucht et al., Lo et al. 1995, and Xu et al. 2001 was also discussed. Applicants' attorneys presented evidence that the proteins in the references cited by the Examiner are different from those in the pending claims.

It was discussed that a claim to detecting polypeptides comprising alternate reading frame amino acid sequences from the core region (shown in SEQ ID NO:1) using antibodies may be allowable.

### CONCLUSION

If a telephone conversation with applicant's attorney would expedite the prosecution of the above-identified application, the examiner is urged to call applicant's attorney at (617) 227-7400.

Respectfully submitted,

  
\_\_\_\_\_  
Megan E. Williams  
Registration No. 43,270  
Attorney for Applicants

LAHIVE & COCKFIELD  
28 State Street  
Boston, MA 02109  
(617) 227-7400

Dated: **May 19, 2005**